## PCT

08/396,230

## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:
A61K 38/17, 39/395

A1

(11) International Publication Number: WO 96/26735
(43) International Publication Date: 6 September 1996 (06.09.96)

(21) International Application Number: PCT/US96/02839 (81) Designated States: AU, CA, FI, JP, KR, MX, NO, NZ, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

US

(30) Priority Data: Published

1 March 1995 (01.03.95)

(71) Applicant: IMMUNEX CORPORATION [US/US]; 51 University Street, Seattle, WA 98101 (US).

(72) Inventors: ALDERSON, Mark; 1116 Grow Avenue N.W., Bainbridge Island, WA 98110 (US). CAMPBELL, Kim, A.; 120 N.E. 57th Street, Seattle, WA 98105 (US). KENNEDY, Mary, K.; 7307 23rd Avenue N.W., Seattle, WA 98117 (US). MALISZEWSKI, Charles, R.; 1014 Northwest 120th, Seattle, WA 98177 (US).

(74) Agent: PERKINS, Patricia, Anne: Immunex Corporation, 51 University Street, Seattle, WA 98101 (US). ie, ii, lo, MC, NL, PT, SE).

amendments.

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of

(54) This: METHOD FOR STIMULATING AN IMMUNE RESPONSE

(57) Abstract

There is disclosed a method of stimulating an immune response comprising administering an effective amount of a CD40 binding protein. The method is useful in treating individuals infected with pathogenic or opportunistic organisms, and individuals having a depressed cellular immune response. CD40 binding proteins include CD40 ligand, monoclonal antibodies that specifically bind CD40, and combinations thereof.